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FOOT-26E000T

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* * * * *
SEQ ID NO: 17 MQTPE-PFTDLEHEPH---TPLLDDHHNPPPPQTTT---KPLFTRVVGVTFFLFFGFA
SEQ ID NO: 2 MTTT-KPFSDDLE-----APLLNHTPPPPPPPTAGKRLLIKVSVITLLILLIV-S
SEQ ID NO: 4 MTTPEQPI TDLEHEPNHNRTPLLDHNESQPVK-----KHLFFKVLGVTFFISLFFISA
SEQ ID NO: 6 -----
1
60
* * * * *
SEQ ID NO: 17 IVFIVLNQONSSVRIVTNSEKSFIRYSQTDRLSWERTAFHFQPAKNFIYDPDGLFHMGW
SEQ ID NO: 2 VLF--LNQONSS-----HSTTNSKISQSDRLI WERTSFHFQPAKNFIYDPDGLFHMGW
SEQ ID NO: 4 FLFIVLNQONST-----NISVKYSQSDRLTWERTAFHFQPAKNFIYDPDGLFHMGW
SEQ ID NO: 6 -----
61
120
* * * * *
SEQ ID NO: 17 YHMFYQYNPYAPVWGNMWSGHVSVDKMINWYELPVAMVPTWYDIEGVLGSGTTVLPNGQ
SEQ ID NO: 2 YHLFYQYNPYGPVWGNMWSGHVSVDKMINWFELPVALVPTWYDIEGVLGSGTTVLPNGQ
SEQ ID NO: 4 YHLFYQYNPYAPVWGNMWSGHVSVDKMINWYELPVAIVPTWYDIEGVLGSGITVLPNGQ
SEQ ID NO: 6 -----
121
180
* * * * *
SEQ ID NO: 17 IFALYTGANDFSQLQCKAVPVNLSDDLIEWVKYEDNPILYTPPGIGLKYRDPSTVWT
SEQ ID NO: 2 IFALYTGANDFSQLQCKAVPVNISDPLLI EWVKYDGNPILYTPPGIGLKYRDPSTVWT
SEQ ID NO: 4 IFALYTGANDFSQLQCKAVPVNSSDPLLV EWKYEDNPILYTPPGIGLKYRDPSTVWT
SEQ ID NO: 6 -----TR--STVWT
181
240
```

FIG. 1A

FIG. 1B

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***** ** ** ** **
SEQ ID NO: 17 GPDGKHRMIMGTGKRGNTGMVLVYTTDYTNVELLDEPLHVPNTDMWECVDFYPVSLTND
SEQ ID NO: 2 GPDGKHRMIMGSKRNKTGLVLVYHTTDFNTYVMSDEPLHVPNTDMWECVDFYPVSLTND
SEQ ID NO: 4 GPDGKHRMIMGTGKRGNTGMILVYHTTDDYTNEMLENEPMHVPNTDMWECVDFYPVSLTND
SEQ ID NO: 6 GPDGKHRMIMGSKRGNTGMILVYHTTDDYTNVELLDEPLHVPNTDMWECVDFYPVSLTND
241 300

***** ** ** ** *
SEQ ID NO: 17 SALDMAAYGSGIKHVIKESWEGHGMWYSIGTYDAINDKWTDPNPELDVGIGLRCDYGRF
SEQ ID NO: 2 SALDMAAYGSGIKHVIKESWEGHGMWYSIGTYDASTDKWTPDNPKLDVGIGLRCDYGRF
SEQ ID NO: 4 SALDIAAYGSGIKHVIKESWEGYGMDFYSIGTYDAFNDKWTDPNPELDVGIGLRCDYGRF
SEQ ID NO: 6 SALDMAAYGSGIKHVIKESWEGHGMWYSIGTYDAINDKWTDPNPELDVGIGLRCDYGRF
301 360

***** ** ** ** *
SEQ ID NO: 17 FASKSLYDPLKKRRITWGYVGESDSADQDLRGWATVYNNVGRITVLDKRTGTHLLHPVE
SEQ ID NO: 2 FASKSLFDPLKKRRVTWGYVGESDKPDQDLRGWATIYNVARTVLDKRTGTHLLHPVE
SEQ ID NO: 4 FASKSIFDPVKKRRITWAYVGESDNADDLDRGWATIYNVGRITVLDKRTGTHLLHPVE
SEQ ID NO: 6 FASKSLYDPLKKRRVTWAYVGESDSVDQDLRGWATVYNNVGRITVLDKRTGTHLLHPVE
361 420

***** ** ** ** *
SEQ ID NO: 17 EVESLRYNGQEFKEIKLEPGSIIPLDIGTATQLDIVATFEVDQAALNATSETDDIYGCTT
SEQ ID NO: 2 EIESLRSNGQEFNEIELKPGSIIPLDIGSATQLDIVATFEVDQDALKAISETNEEYICTK
SEQ ID NO: 4 EIESLRYNGQEFKEIKLEPGSIAPLDIGTATQLDIVATFKVDEAALNATSETDDNFACCT
SEQ ID NO: 6 EVESLRYNGQEFKEIELEPGSIIPLDIGTATQLDIVATFEVDQAALNATSETDDIYGCTT
421 480
```

FIG. 1B

FIG. 1C

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* * * * * ** ** ** **
SEQ ID NO: 17 SLGAAQSGSLGPFGLAVIADGTLSELTVPVYFYIAKKADGGVSTHFCTDKLRSSLDYDGER
SEQ ID NO: 2  SWGAAGRSGSLGPFGLAVIADGTLSELTVPVYFYIAKNTDGSVATHFCTDKLRSSLDYDRER
SEQ ID NO: 4  SSGAVERGSLGPFGLAVIADGTLSELTVPVYFYIAKKADGGVSTHFCTDKLRSSLDYDGER
SEQ ID NO: 6  SLGAAQSGSLGPFGLAVIADGTLSELTVPVYFYIAKKADGGVSTHFCTDKLRSSLDYDGGQ
481
* * * * * ** ** **
SEQ ID NO: 17 VYGGTVPVLDDEELTMRLLLVDHSIVEGFAQGGRTVITSRAYPTKAIYEQAQKLFLENNAT
SEQ ID NO: 2  VYGSTVPVLDGEEELTMRLLLVDHSVWEGFAQGGRTVITSRVYPTKAIYDQAKVFLFNNAT
SEQ ID NO: 4  VYGSTVPVLDDEELTMRLLLVDHSVWFAQGGRTVITSRVYPTKAIYEGAKLFLENNAT
SEQ ID NO: 6  VYGSTVPVLDDEELTMRLLLVDHSIVEGFAQGGRTVITSRVYPTKAIYEQAQKLFLENNAT
541
* * * * * ** ** **
SEQ ID NO: 17 GTSVKASLKIWMASAPIHQYPF-
SEQ ID NO: 2  GTSVKASLKIWMASAPIKPYPL-
SEQ ID NO: 4  DTSVKASLKIWMASAPIHQYEFN
SEQ ID NO: 6  GTSVKASLKIWMASAPIHQYSF-
601
624
```

FIG. 1C

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* *                               ***
SEQ ID NO:21  MGSHGKPPLPYAYKPLPSDAADGKRTGCMRWSACATVLTASAMAVVVGATLLAGLRMEQ
SEQ ID NO: 8  -----
SEQ ID NO:10  -----
SEQ ID NO:12  -----
SEQ ID NO:20  MASESSRR-----GDSTSTRR-----RSGQEPLAVLVSAKNQSSSEERAGGLRV--
1
60

*****
SEQ ID NO:21  AVDEEAAAGGFPWSNEMLQWQSRSGYHFQTAKNYMSDPNGLMYRGWYHMFYQYNPVGTDW
SEQ ID NO: 8  -----
SEQ ID NO:10  -----
SEQ ID NO:12  -----
SEQ ID NO:20  --DEEAAAG-FPWSNEMLQWQSRSGYHFQTAKNYMSDPNGLMYNGWYHMFYQYNPVGTDW
61
120

*** ** *****
SEQ ID NO:21  DDGMWGHAVSRNLVQWRTLPIAMVADQWYDILGVLGSGMTVLPNGTVIMIYTGATNAS
SEQ ID NO: 8  ---TRWGHAVSRNLVQWRTLPIAMVADQWYDILGVLGSGMTVLPNGTVIMIYTGATNAS
SEQ ID NO:10  -----ARD-----DILGVLGSGMTVLPNGTVIMIYTGATNAS
SEQ ID NO:12  -----
SEQ ID NO:20  DDGMWGHAVSRNLVQWRTLPIAMVADQWYDILGVLGSGMTVLPNGTVIMIYTGATNAS
121
180

*****
SEQ ID NO:21  VEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGVGTGKDFRDPMTAWYDESDDTWRTL
SEQ ID NO: 8  IEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGIGTGKDFRDPMTAWYDESDDTWRTL
SEQ ID NO:10  VEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGIGTGKDFRDPMTAWYDESDDTWRTL
SEQ ID NO:12  -----
SEQ ID NO:20  VEVQCIATPADPNDPFLRRWTKHPANPVIWSPPGIGTGKDFRDPMTAWYDESDDTWRTL
181
240
```

FIG. 2A

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FIG. 2B

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****
SEQ ID NO:21 SKDDHDGHHGDIAMMYKTKDFLNYELIPGILHRVVRTGEWECIDFPVGRSSDNDSEML
SEQ ID NO: 8 SKDDQDGHHDGIAMMYKTKDFLNYELIPGILHRVERTGEWECIDFPVGRSSDNDSEML
SEQ ID NO:10 SKDDHDGHHGDIAMMYKTKDFLNYELIPGILHRVQRTGEWECIDFPVGHRSNDNDSEML
SEQ ID NO:12 -----
SEQ ID NO:20 SKDDHDGHHGDIAMMYKTKDFLNYELIPGILHRVQRTGEWECIDFPVGHRSNDNDSEML
241 300

****
SEQ ID NO:21 HVLKASMDDERHDYYSGLTYDSAANTWTPIDPELDLIGLRYDWGKFYASTSFYDPAKNR
SEQ ID NO: 8 HVLKASMDDERHDYYSGLTYDSAANTWTPIDPELDLIGLRYDWGKFYASTSFYDPAKNR
SEQ ID NO:10 HVLKASMDDERHDYYSGLTYDSAANAWTPIDPELDLIGLRYDWGKFYASTSFYDPAKNR
SEQ ID NO:12 -----
SEQ ID NO:20 HVLKASMDDERHDYYSGLTYDSAANAWTPIDPELDLIGLRYDWGKFYASTSFYDPAKNR
301 360

****
SEQ ID NO:21 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELT
SEQ ID NO: 8 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELS
SEQ ID NO:10 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELS
SEQ ID NO:12 -----
SEQ ID NO:20 RVLMGYVGEVDSKRADVVKGWASIQSVPRRTIALDEKTRTNLLWPVEEIEIETLRNLNATELS
361 420

****
SEQ ID NO:21 DVTINTGSGVIHIPLRQGTQDIEASFHLDASAVAALNEADVGYNCSSSGGAVNRGALGPF
SEQ ID NO: 8 DVTMTGSGVIHIPLRQGTQDIEATFHLDAVAALNEADVGYNCSSSGGAVNRGALGPF
SEQ ID NO:10 DVTILNTGSGVIHIPLRQGTQDIEATFHLDAVAALNEADVGYNCSSSGGAVNRGALGPF
SEQ ID NO:12 -----
SEQ ID NO:20 DVTILNTGSGVIHIPLRQGTQDIEATFHLDAVAALNEADVGYNCSSSGGAVNRGALGPF
421 480

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FIG. 2B

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FIG. 2C

```
*****
SEQ ID NO:21 GLLVLAAGRRGEQTAVYFYVSRGLDGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
SEQ ID NO: 8 GLLVLAAGRRGEQTAVYFYVSRGLDGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
SEQ ID NO:10 GLLVLAAGRRGEQTAVYFYVSRGLDGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
SEQ ID NO:12 -----
SEQ ID NO:20 GLLVLAAGRRGEQTAVYFYVSRGLDGLHTSFCQDELRSRAKDVTKRVIGSTVPVLDG
481 540

*****
SEQ ID NO:21 EALSMRVLVDHSIVQGFDMGGRTTMTSRVYPMEYQEARVYLFNNATGASVTAERLVVHE
SEQ ID NO: 8 EAFSMRVLVDHSIVQGFAMGGRTTMTSRVYPMEAYQEAQVYLFNNATGASVMAERLVVHE
SEQ ID NO:10 EAFSMRVLVDHSIVQGFAMGGRTTMTSRVYPMEAYQEAQVYLFNNATGASVMAERLVVHE
SEQ ID NO:12 -----ARATMTSRVYPMEAYQEAQVYLFNNATGASVTAERLVVHE
SEQ ID NO:20 EAFSMRVLVDHSIVQGFAMGGRTTMTSRVYPMEAYQEAQVYLFNNATGASVMAERLVVHE
541 600

***** ** *
SEQ ID NO:21 MDSAHNQLSNEDDGMYLHQVLESRH
SEQ ID NO: 8 MDSAHNQLSNMDDYSYVQ-----
SEQ ID NO:10 MDSAHNQLSNMDDHSYVQ-----
SEQ ID NO:12 MDSAHNQLSNMDDYSYVQ-----
SEQ ID NO:20 MDSAHNQLSNMDDHSYVQ-----
601 625
```

FIG. 2C

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*****
SEQ ID NO:18 PENDVGIGLRYDFGKFYASKTFYDQHKRRVLWGYYVGETDPQKYDLSKGWANI LNIPRTVVLDLETKTNLIQ *****
SEQ ID NO:14 PENDVGIGLRYDYGKFYASKTFYDQHKRRVLWGYYVGETDPEKYDLTKGWANI LNIPRTVVLDTKTKTNLIQ *****
SEQ ID NO:16 PENDVGIGLRYDFGKFYASKTFYDQHKRRVLWGYYVGETDPQKYDISKGWANI LNIPRTVVLDTKTKTNLIQ *****
351

*****
SEQ ID NO:18 WPIEETENLRSKKYDEFKDVLRPGALVPLEIGTATQLDIVATFEIDQKMLESTLEADVLFNCTTSEGVAR *****
SEQ ID NO:14 WPIEETENLRSKKYDFKDVLRPGSLVPLEIGTATQLDIVATFEVDQMMLESTLEADVLFNCTTSGVGR *****
SEQ ID NO:16 WPIEETENLRSKTYDEFKDVLRPGSLVPLEIGTATQLDIVATFEIDQKMLESTLEADVLFNCTTSEGVAR *****
423

*****
SEQ ID NO:18 SVLGPFVGVVVLADAAQRSEQLPVYFYIAKDIDGTSRTYFCADETRSSKDVSVGKWVYGSSVPVLPGEKYNMRL *****
SEQ ID NO:14 GVLGPFVGVVVLADAAQRTEQLPVYFYIAKDTDGTSTRTYFCADETRSSKDVSVGKWVYGSSVPVLPNEKYNMRL *****
SEQ ID NO:16 GALGPFVGVVVLADAAQRSEQLPVYFYIAKDIDGTSRTYFCADETRSSKDVSVGKWVYGSSVPVLPGEKYNMRL *****
495

*****
SEQ ID NO:18 LVDHSIVEGFAQNGRTVVTSTRVYPTKAIYNAAKVFLFNNAATGISVKASIKIWKMGAEALNPFPPLPGWTFEL *****
SEQ ID NO:14 LVDHSIVEGFAQNGRTVVTSTRVYPTKAIYNAAKVFLFNNAATGIRVKASVKIWKMAEALNPFPVTGWTSS-- *****
SEQ ID NO:16 LVDHSIVEGFAQNGRTVVTSTRVYPTKAIYNAAKVFLFNNAATGISVKASIKIWKMAEALNPFPPLPGWTFEL *****
564

*****
637
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FIG. 3B